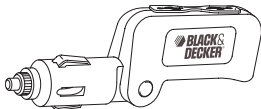




5 WATT USB
PERSONAL ELECTRONICS CHARGER
INSTRUCTION MANUAL



Catalog
Number
PIUSB

**BEFORE RETURNING THIS PRODUCT
FOR ANY REASON PLEASE CALL**

1-877-571-2391

BEFORE YOU CALL, HAVE THE CATALOG No
AVAILABLE IN MOST CASES A REPRESENTATIVE
CAN RESOLVE THE PROBLEM OVER THE PHONE.

PLEASE READ BEFORE RETURNING THIS PRODUCT FOR ANY REASON:

If you have a question or experience a problem
with your Black & Decker purchase, go to

[HTTP://WWW.BLACKANDDECKER.COM/INSTANTANSWERS](http://www.blackanddecker.com/instantanswers)

for instant answers 24 hours a day.

If you can't find the answer or do not have access to the internet, call
1-800-544-6986 from 8 a.m. to 5 p.m. EST Mon. – Fri. to speak with an agent.

Please have the catalog number available when you call.



GENERAL SAFETY WARNINGS AND INSTRUCTIONS FOR ALL APPLIANCES

READ ALL INSTRUCTIONS



WARNING: Read all instructions before operating product. Failure to follow all instructions listed below may result in electric shock, fire and/or serious injury.

- **AVOID DANGEROUS ENVIRONMENTS** Don't use appliances in damp or wet locations. Don't use appliances in the rain.
- **KEEP CHILDREN AWAY.** All visitors should be kept at a distance from work area.

- **STORE IDLE APPLIANCES INDOORS.** When not in use, appliances should be stored indoors in dry, and high or locked-up place – out of reach of children.
- **DON'T FORCE APPLIANCE.** It will do the job better and with less likelihood of a risk of injury at the rate for which it was designed.
- **USE RIGHT APPLIANCE.** Do not use the appliance for any job except that for which it is intended.
- **DRESS PROPERLY.** Do not wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and substantial, non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
- **USE SAFETY GLASSES AND OTHER SAFETY EQUIPMENT.** Use safety goggles or safety glasses with side shields, complying with applicable safety standards and, when needed, a face shield. Also use face or dust mask if operation is dusty. This applies to all persons in the work area. Also use a hard hat, hearing protection, gloves, safety shoes and dust collection systems when specified or required. Safety glasses or the like are available at extra cost at your local dealer or Black & Decker Service Center.

- **DON'T ABUSE CORD.** Never carry appliance by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
- **TO REDUCE RISK OF DAMAGE to the product, pull by the connector rather than a cord when disconnecting charger.**
- **DO NOT OPERATE charger with damaged cord or cigarette lighter connector - replace it immediately.**
- **DISCONNECT APPLIANCES.** Disconnect the appliance from the power supply when not in use, before servicing, and when changing accessories such as blades and the like.
- **AVOID UNINTENTIONAL STARTING.** Don't carry plugged-in appliance with finger on switch. Be sure switch is off when plugging in.
- **PROPER COOLING** is essential when operating the charger. Do not place the unit near the vehicle's heat vent or in direct sunlight.
- **ELECTRICAL FAULT CIRCUIT INTERRUPTER** protection should be provided on the circuits or outlets to be used. Receptacles are available having built in electrical fault circuit INTERRUPTER protection and may be used for this measure of safety.

- **USE OF ACCESSORIES AND ATTACHMENTS.** The use of any accessory or attachment not recommended for use with this appliance could be hazardous. Note: Refer to the accessory section of this manual for further details.

- **STAY ALERT.** Watch what you are doing. Use common sense. Do not operate tool when you are tired.

- **DO NOT OPERATE** charger if it has received a sharp blow, been dropped or otherwise damaged.

- **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Do not use tool if switch does not turn it on and off.

- **DO NOT OPERATE** portable electric tools near flammable liquids or in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

SAFETY GUIDELINES / DEFINITIONS

 **DANGER:** Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

 **WARNING:** Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

 **CAUTION:** Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

CAUTION: Used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

RISK OF UNSAFE OPERATION. When using tools or equipment, basic safety precautions should always be followed to reduce the risk of personal injury. Improper operation, maintenance or modification of tools or equipment could result in serious injury and property damage. There are certain applications for which tools and equipment are designed. Black & Decker strongly recommends that this product NOT be modified and/or used for any application other than for which it was designed. Read and understand all warnings and operating instructions before using any tool or equipment.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: TO REDUCE THE RISK OF ELECTRIC SHOCK:

- Do not make any electrical connections or disconnections in areas designated as IGNITION PROTECTED. This includes DC cigarette lighter type plug connection. This unit is NOT approved for ignition protected areas.
- NEVER immerse the unit in water or any other liquid, or use when wet.
- Do not insert foreign objects into the USB outlets.

WARNING: TO REDUCE THE RISK OF FIRE:

- Do not operate near flammable materials, fumes or gases.
- DO NOT expose to extreme heat or flames.

CAUTION: TO REDUCE THE RISK OF INJURY OR PROPERTY DAMAGE:

- Remove plug from 12V DC accessory outlet before working on the charger.
- DO NOT attempt to connect or set up the unit or its components while operating your vehicle. Not paying attention to the road may result in a serious accident.

- Always use the charger where there is adequate ventilation. Do not block ventilation slots.
- ALWAYS turn the charger OFF by disconnecting it from the DC accessory outlet when not in use.
- Make sure the nominal powering voltage is 12 volts DC, center connection positive (+).
- When using this unit in a vehicle, check the vehicle owner's manual for maximum power rating and recommended output. Do not install in engine compartment — install in a well ventilated area.
- Do not use with positive ground electrical systems.
*Reverse polarity connection will result in a blown fuse and may cause permanent damage to the charger and will void warranty.
- *The majority of modern automobiles, RVs and trucks are negative ground.
- Do not open the charger — there are no user-serviceable parts inside.
- Do not use this charger with medical devices. It is not tested for medical applications.
- Keep away from children. This is not a toy!

- Install and operate unit only as described in this Instruction Manual.
- Do not use this charger on a watercraft. It is not qualified for marine applications.
- Read And Understand This Instruction Manual Before Using This Unit.

SAVE THESE INSTRUCTIONS

THIS MANUAL CONTAINS IMPORTANT SAFETY AND OPERATING INSTRUCTIONS FOR THE 5 WATT USB PERSONAL ELECTRONIC CHARGER MODEL PIUSB.

WARNING: TO REDUCE THE RISK OF INJURY:

- Follow these instructions and those published by battery manufacturer and the manufacturer of any equipment you intend to use with this unit. Review cautionary markings on these products and on engine.

INTRODUCTION

Thank you for purchasing the ***PIUSB 5 watt USB Personal Electronics Charger***. This charger can be used to operate personal electronics and mobile office equipment, such as: MP3 players, cell phones, PDAs, and more.

Please read this Instruction Manual carefully before use to ensure optimum performance and to avoid damage to this product.

FEATURES

- 5 watts continuous output*
- Two - 5 volt DC USB Charging Ports
- Bi-color Power/Fault LED Indicator
- Compact, efficient and quiet
- Protective Outlet Cover
- Electronic circuit protection prevents damage due to overload/insufficient ventilation (overheat condition)
- Low-battery shutdown

**Refer to the “Specifications” section*

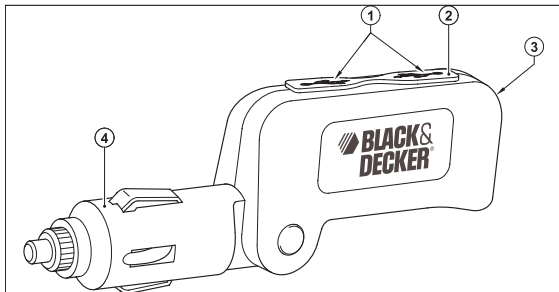
HOW THIS CHARGER WORKS

Your Black & Decker USB charger is designed to convert 12 Vdc to 5 Vdc. It allows the 12 Vdc in an automobile to supply 5 Vdc power to operate equipment that is normally supplied from a USB power source. The charging cable specifically designed for the electronic device being charged is required. May not work for all electronic devices. This product is intended for consumer use only.

Note: Some mobile phone leads do not allow charging from a standard USB port, check with the mobile phone manufacturer.

Controls and Functions

- 1.) USB Charging Port x 2
- 2.) USB cover
- 3.) Power/Fault LED Indicator
- 4.) 12 Volt DC Vehicle Adapter Plug



⚠ CAUTION: *Rechargeable Devices*

If there is any sign that your appliance is behaving differently to that when connected to the normal power source then unplug and seek advice from your appliance manufacturer.

OPERATING INSTRUCTIONS

Power source requirements

The power source must provide 12 Vdc and must be able to supply the necessary current to operate the load.

 **WARNING:** The charger must be connected only to batteries with a nominal output voltage of 12 Volts. The appliance will not operate from a 6 Volt battery and will sustain permanent damage if connected to a 24 Volt battery.

The Power/Fault LED Indicator lights green when the charger is properly connected to a functioning DC power source. The USB outlets are ready to use. (If the Power/Fault LED Indicator lights red, refer to the Troubleshooting Section of this Instruction Manual.)

To turn the unit off, disconnect it from the 12 volt DC power source.

Always connect the charger to the 12 volt DC power source before plugging any devices into the unit.

The USB outlets allow simultaneous operation of two devices. Simply plug the equipment into the unit and operate normally.

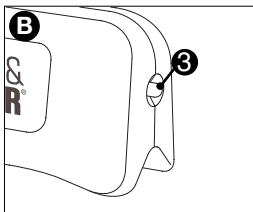
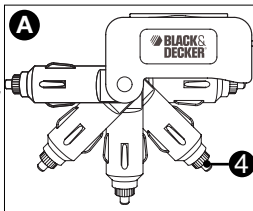
Note: Do not attach a USB extender to this unit to allow additional items to be added.

To prevent damage, the unit will shut down if it is overloaded. To restart the unit you must remove it from the power source, wait for a few seconds and then re-insert the unit into the power source.

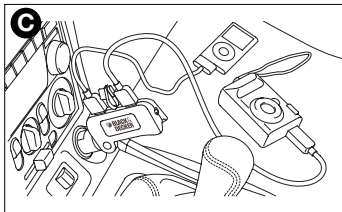
Operation of the USB Charging Ports

The tip of the plug is positive (+) and the side contact is negative (-).

1. Unfold the 12 Vdc accessory plug (4) from the body of the stick to one of the preset positions (figure A).
2. Connect the unit to a vehicle's accessory outlet or other 12 volt DC power source. Make sure there is adequate space for proper ventilation of the charger.
3. Rotate the unit slightly to make sure there is good contact.



4. The Power/Fault LED Indicator (3) will light green, indicating a proper connection. If the Power/Fault LED Indicator lights red, a Fault condition exists. Refer to the Troubleshooting Section of this Instruction Manual.
5. If the charger does not work, make sure the ignition/accessory outlet is powering the accessory outlet. Some vehicles require the ignition switch to be turned on.
6. Lift the USB cover (2) to allow access to one or both of the USB ports (1).
7. Plug the USB-powered device into the USB Charging Port and operate normally.



Note: You can operate two USB devices simultaneously.

Notes: ***This charger does not support data communication. It only provides 5 volts/500mA DC power to an external USB-powered device.***

Remember to disconnect the unit from any power source when it is not in use.

Protective Features

The charger monitors the following conditions:

Low Battery Voltage — This condition is not harmful to the charger, but could damage the power source, so the inverter will automatically shut down when input voltage drops below 10.5 +/- 0.5 volts DC. The charger will automatically reset when the voltage improves to 11.5V.

Overload/Short Circuit Protection — The charger will automatically shut down when a short circuit occurs. A reverse polarity or short circuit condition may cause external or internal fuses to open and may cause irreversible damage to the appliance

Notes: The Power/Fault LED Indicator will light red to indicate a Fault condition before automatic shutdown occurs.

If unit shuts down, to restart it you must remove it from the power source, wait for a few seconds and then re-insert the unit into the power source.

Operating Tips

The charger should only be operated in locations that are:

DRY — Do not allow water or other liquids to come into contact with the charger.

COOL — Surrounding air temperature should ideally be 10-20°C (50-68°F). Keep the charger away from direct sunlight, when possible.

WELL-VENTILATED — Keep the area surrounding the charger clear to ensure free air circulation around the unit. Do not place items on or over the charger during operation. The unit will shut down if the internal temperature gets too hot.

CARE AND MAINTENANCE

Storage

1. Ideal storage temperature range is 0-40°C (32-104°F).
2. Store and use the charger in a cool, dry place with adequate ventilation for all-around air circulation.
3. Avoid locations that are exposed to heating units, radiators, direct sunlight, or excessive humidity or dampness.

TROUBLESHOOTING

Power/Fault LED Indicator Lights Green

If the green LED indicator (3) is not lit:

- check that all the DC connections are connected correctly.
- check the tightness of the DC connection

NOTE: Make sure that your accessory outlet is “live”. You may need to turn the ignition key to the accessory position.

Power/Fault LED Indicator Lights Red

When the Power/Fault LED Indicator turns from green (indicating the unit is powered) to red, a fault condition is present and the unit will automatically shut down. See the Protective Features Section of this Instruction Manual and Common Power Output Problems in the following section.

Common Power Output Problems

Possible Causes

Battery voltage
below 10.5 volts

Equipment being operated
draws too much power

Recommendations

Recharge battery or check
DC power supply.

Reduce load to maximum
5 watts. Although this unit
has two outlets, some phones
and PDAS can take 5 watts

from a single outlet.
Connecting another device to the second outlet in this case will cause the charger to shut down.

Charger in thermal shutdown condition

Allow charger to cool down
Ensure there is adequate ventilation around the unit, and the load is no more than 5 watts for continuous operation.

Replacing the fuse in the DC plug.

- Remove the cap by turning it counter clockwise.
- Remove the cap and pin.
- Remove the fuse.
- Fit a new fuse of the same type and size (1.6A)
- Refit the cap and pin.
- Tighten the cap by turning clockwise onto the plug.